their mobile app to book parking spaces remotely sitting anywhere prior to their visit. They have to specify the time of their visit, the duration for which they are expected to stay, and the size of the vehicle. The flowchart of the reservation system is as shown in the following figure:

User registers for the app

User logs in to reserve a parking space

If data entered is correct

False

True

Search for availability of space

If available

False

True

Reserve parking space and enter the time duration

User gets a digital receipt

True

User arrives within time

User parks vehicle

False

Reservation expires

The payment for using this facility is done on an hourly basis when the visitor departs. The payment can be done either online or manually when user enters the parking lot.

1. **TECHNOLOGIES USED**

Web Application:-

The web application is through which the booking manager/operator operates the parking space. This will be available online on the website. The front used will be HTML (Hypertext markup language). Scripting languages such as PHP/ JavaScript will be used. JSP/Servlets will be used as CGI so as to transfer data from web application to the database handled by the booking manager.

The back end of this web application will be MYSQL, as the data of clients and parking space will be stored into the database.

Android Application:-

The android application will be completely built using the Core Java language and will be linked to the database for getting the real time data from the web application.

1. **FUTURE SCOPE:**

This application can be further expanded for reserving parking spaces in special buildings like Railway stations, Airports, Historical buildings, and various other tourists’ places and well organised malls.

The app can be extended in a way so as to make the user access information regarding all the parking spaces available near the place they want to go.

1. **CONCLUSION:**

In this paper, we confer the efficiency in alleviating the traffic problem that arises in the city and the insufficient parking spaces are undeniable. The ParkMeRight makes it simpler to book the parking space in advance. Although there may be disadvantages in the implementation but the advantages far overweighs its disadvantages.

1. **REFERENCES**

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